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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Application Number**

09/988,792

**Filing Date**

November 20, 2001

**First Named Inventor**

Andrzej W. Lipkowski et al.

**Group Art Unit**

1645

**Examiner Name**

Vanessa L. Ford

**Attorney Docket Number**

18475-025 (NEMC-6)

**U.S. PATENT DOCUMENTS**

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
JMS	A1	5,861,313	01/19/99	Pang et al.	435	347	06/07/95
JMS	A2	6,063,758	05/16/00	Lappi et al.	514	2	07/09/97

**FOREIGN PATENT DOCUMENTS**

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
JMS	B1	WO 00/43040	The Government of the United States of America	07/27/00	Y

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
JMS	C1	Agerberth, B. et al., "Amino acid sequence of PR-39 Isolation from pig intestine of a new member of the family of proline-arginine-rich antibacterial peptides", Eur. J. Biochem., Vol. 202, No. 3, pp. 849-854 (1991).
	C2	Beaucage, S.L. et al., "Deoxynucleoside Phosphoramidites - A new class of key intermediates for deoxypolynucleotide synthesis", Tetrahedron Letters, Vol. 22, No. 2, pp. 1859-1862 (1981).
	C3	Hartung, H.P. et al., "Substance P: Binding Properties and Studies on Cellular Responses in Guinea Pig Macrophages", The Journal of Immunology, Vol. 136, No. 10, pp. 3856-3863 (1986).
	C4	Higgins, D.G. et al., "Fast and sensitive multiple sequence alignments on a microcomputer", CABIOS Communications, Vol. 5, No. 2, pp. 151-153 (1989).
	C5	Jeon, H.K. et al., "Substance P augments nitric oxide production and gene expression in murine macrophages", Immunopharmacology, Vol. 41, pp. 219-226 (1999).
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	C7	Linnik, M.D. et al., "Identification of Immunoreactive Substance P in Human and Other Mammalian Endothelial Cells", Peptides, Vol. 10, pp. 957-962 (1989).
	C8	Maszczyńska, I. et al., "Dual Functional Interactions of Substance P and Opioids in Nociceptive Transmission: Review and Reconciliation", Analgesia, Vol. 3, pp. 259-268 (1998).
	C9	Merrifield, R.B., "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide", J. Am. Chem. Soc., Vol. 85, pp. 2149-2154 (1963).
	C10	Misicka, A. et al., "Topographical Requirements for Delta Opioid Ligands: Presence of a Carboxyl Group in Position 4 is not Critical for Deltorphin High Delta Receptor Affinity and Analgesic Activity", Biochemical & Biophysical Research Communications, Vol. 180, No. 3, pp. 1290-1297 (1991).

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✓	C11	✓	Payan, D.G., "Neuropeptides and Inflammation: The Role of Substance P", Annual Review of Medicine, Vol. 40, pp. 341-352 (1989).
✓	C12	✓	Shibata, H. et al., "Analysis of the mechanism of histamine release induced by substance P", Biochimica et Biophysica Acta, Vol. 846, pp. 1-7 (1985).
✓	C13	✓	Yokota, Y. et al., "Molecular Characterization of a Functional cDNA for Rat Substance P Receptor", The Journal of Biological Chemistry, Vol 264, No. 30, pp. 17649-17652 (1999).
✓	C14	✓	Rameshwar, P. et al., "In vitro stimulatory effect of substance P on hematopoiesis", Blood, Vol. 81, No. 2, pp. 391-398 (1993).
✓	C15	✓	Folkers, H. et al., "Design and synthesis of effective antagonists of substance P Acta Chemica Scandinavica - Series B", Organic Chemistry & Biochemistry, Vol. 36, No. 6, pp. 389-395 (1982).
✓	C16	✓	Selsted, M.E. et al., "Indolicidin, a novel bactericidal tridecapeptide amide from neutrophils", Journal of Biological Chemistry, Vol. 267, No. 7, pp. 4292-4295 (1992).
✓	C17	✓	Pascual, D.W. et al., "Substance P production by P388D1 macrophages: a possible autocrine function for this neuropeptide", Immunology, Vol. 71, No. 1, pp. 52-56 (1990).
✓	C18	✓	Warren, L.V., "Six Easier Pieces*: Discovering the 3D structure of Substance P, using only free internet tools", pp. 1-8 (June 1999); [online] [retrieved on 11/14/01]. Retrieved from the Internet, URL: <a href="http://www.wdv.com/Notebook/Biochemistry/SubstanceP">http://www.wdv.com/Notebook/Biochemistry/SubstanceP</a> .

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	<i>Vanessa Ford</i>	Date Considered	05/20/02 <b>RECEIVED</b>
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